

ABSTRACT OF THE DISCLOSURE**DETECTING EVENTS WITHIN SIMULATION MODELS**

5 A system, method, and data structure for providing an efficient means for monitoring model events. The present invention generates detection events that are accessible by the RTX. Such detection events are generated by instrumentation entities. Detection events are implemented as output ports on an instrumentation entity. Furthermore, the present invention discloses an enhanced API function for directly accessing detection events within a given simulation model.

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